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ABSTRACT

Each year, the National Center for Education Statistics publishes this pocket summary of the annual "Projections of Education Statistics." The complete report contains information on projected enrollment and graduates, teachers, and public elementary and secondary school expenditures. This summary contains figures for 1987-1988, estimates for 1998-1999, and projections for 2009-2010, with calculations of the percent of change from 1987-1988 to 1998.-1999 and 1998-1999 to 2009-2010. Tables present data for these periods for: (1) population (by age); (2) elementary and secondary enrollment in public and private schools; (3) high school graduates; (4) numbers of classroom teachers at elementary and secondary levels ; (5) pupil/teacher ratios; (6) elementary and secondary education expenditures; (7) higher education enrollment; (8) earned degrees; and (9) higher education expenditures. Technical notes explain the computation of the projections. (SLD)

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Pocket Projections

NATIONAL CENTER FOR EDUCATION STATISTICS

ED 453 298

# PROJECTIONS OF EDUCATION STATISTICS TO 2010

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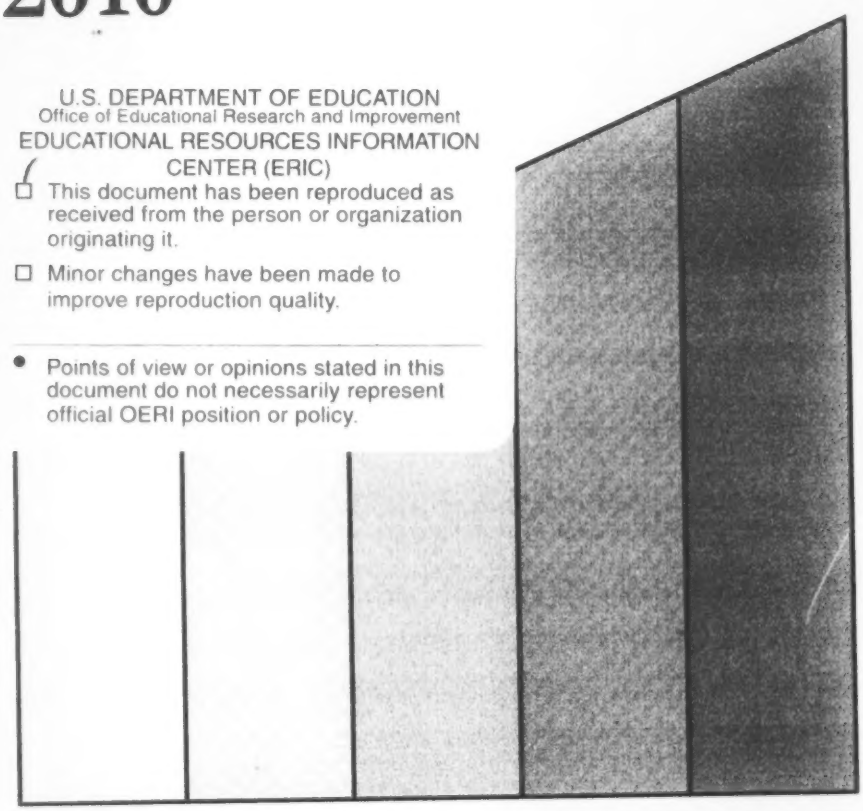

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Each year, the U.S. Department of Education's National Center for Education Statistics (NCES) publishes this pocket summary of the ***Projections of Education Statistics***. The complete report, ***Projections of Education Statistics to 2010***, provides the reader with NCES information on projected enrollment at all education levels, numbers of high school graduates, earned degrees conferred, classroom teachers, and expenditures of public elementary and secondary schools. In addition, there are state-level tables on public elementary and secondary enrollment and public high school graduates and some supplementary tables from other sources.

To receive a copy of the report ***Projections of Education Statistics to 2010***, see the ordering information at the end of this booklet.

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*Pocket Projections*

NATIONAL CENTER FOR EDUCATION STATISTICS

# Projections of Education Statistics to 2010

William J. Hussar
National Center for Education Statistics

U.S. Department of Education
Office of Educational Research and Improvement

NCES 2001–048

4

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# Pocket Projections 1987–88 to 2009–10

| Characteristic | 1987–88 | 1998–99 (estimate) | 2009–10 (projected) | Percent change 1987–88 to 1998–99 | Percent change 1998–99 to 2009–10 |
|---|---|---|---|---|---|
| **Population[1]** (Numbers in thousands) | | | | | |
| 3–5 years old | 10,741 | 11,640 | 11,767 | 8 | 1 |
| 5–13 years old | 30,501 | 35,387 | 35,207 | 16 | –1 |
| 14–17 years old | 14,503 | 15,518 | 16,915 | 7 | 9 |
| 18 years old | 3,704 | 3,881 | 4,395 | 5 | 13 |
| 18–24 years old | 27,931 | 25,569 | 29,926 | –8 | –7 |
| 25–29 years old | 21,982 | 18,648 | 19,801 | –15 | 6 |
| 30–34 years old | 21,058 | 20,232 | 18,625 | –4 | –8 |
| 35–44 years old | 34,299 | 44,573 | 40,065 | 30 | –10 |
| **Elementary/secondary education** (Numbers in thousands) | | | | | |
| **Enrollment** | | | | | |
| Total | 45,487 | 52,459 | 53,056 | 15 | 1 |
| Public | 40,008 | 46,535 | 47,109 | 16 | 1 |
| Private | 5,479 | 5,924 | 5,947 | 8 | * |
| Kindergarten—grade 8 | 32,165 | 37,941 | 37,399 | 18 | –1 |
| Public | 27,933 | 33,344 | 32,877 | 19 | –1 |
| Private | 4,232 | 4,597 | 4,522 | 9 | –2 |
| Grades 9–12 | 13,323 | 14,518 | 15,657 | 9 | 8 |
| Public | 12,076 | 13,191 | 14,232 | 9 | 8 |
| Private | 1,247 | 1,327 | 1,425 | 6 | 7 |

| Characteristic | 1987–88 | 1998–99 (estimate) | 2009–10 (projected) | Percent change 1987–88 to 1998–99 | Percent change 1998–99 to 2009–10 |
|---|---|---|---|---|---|
| **Elementary/secondary education** (Numbers in thousands) | | | | | |
| **High school graduates** | | | | | |
| Total | 2,773 | 2,786 | 3,115 | * | 12 |
| Public | 2,500 | 2,496 | 2,791 | * | 12 |
| Private | 273 | 290 | 324 | 6 | 12 |
| **Classroom teachers** | | | | | |
| Total | 2,631 | 3,217 | 3,348 | 22 | 4 |
| Public | 2,279 | 2,826 | 2,937 | 24 | 4 |
| Private | 352 | 391 | 411 | 11 | 5 |
| Elementary | 1,563 | 1,978 | 1,992 | 27 | 1 |
| Public | 1,306 | 1,701 | 1,708 | 30 | * |
| Private | 257 | 277 | 284 | 8 | 3 |
| Secondary | 1,068 | 1,239 | 1,356 | 16 | 9 |
| Public | 973 | 1,125 | 1,229 | 16 | 9 |
| Private | 95 | 114 | 127 | 20 | 11 |
| **Pupil/teacher ratios** [2] (In units) | | | | | |
| Public | | | | | |
| Elementary | 19.3 | 18.0 | 17.5 | — | — |
| Secondary | 15.2 | 14.2 | 14.0 | — | — |
| Private | | | | | |
| Elementary | 16.5 | 16.6 | 15.9 | — | — |
| Secondary | 13.1 | 11.6 | 11.2 | — | — |

| Characteristic | 1987–88 | 1998–99 (estimate) | 2009–10 (projected) | Percent change 1987–88 to 1998–99 | Percent change 1998–99 to 2009–10 |
|---|---|---|---|---|---|
| **Elementary/secondary education** (Billions of constant 1998–99 dollars) | | | | | |
| **Expenditures** | | | | | |
| Current expenditures in public schools[3] | $223.1 | $306.7 | $401.9 | 37 | 31 |
| Current expenditures per pupil in average daily attendance in public schools[3] (Constant 1998–99 dollars) | $6,023 | $7,111 | $9,204 | 18 | 29 |
| Estimated average annual salaries for teachers in public schools | $39,820 | $40,582 | $43,401 | 2 | 7 |
| **Higher education** (Numbers in thousands) | | | | | |
| **Enrollment** | | | | | |
| Total | 12,767 | 14,632 | 17,261 | 15 | 18 |
| Control of institution | | | | | |
| Public | 9,973 | 11,388 | 13,434 | 14 | 18 |
| Private | 2,793 | 3,244 | 3,827 | 16 | 18 |
| Type of institution | | | | | |
| 4–year | 7,990 | 9,006 | 10,657 | 13 | 18 |
| 2–year | 4,776 | 5,625 | 6,604 | 18 | 17 |

| Characteristic | 1987–88 | 1998–99 (estimate) | 2009–10 (projected) | Percent change 1987–88 to 1998–99 | Percent change 1998–99 to 2009–10 |
|---|---|---|---|---|---|
| | | **Higher education** (Numbers in thousands) | | | |
| **Enrollment** (continued) | | | | | |
| Sex of student | | | | | |
| Men | 5,932 | 6,321 | 7,235 | 7 | 14 |
| Women | 6,835 | 8,311 | 10,025 | 22 | 21 |
| Age [4] | | | | | |
| 19 years and under | 3,276 | 3,442 | 4,318 | 5 | 25 |
| 20–21 years old | 2,651 | 2,793 | 3,446 | 5 | 23 |
| 22–24 years old | 1,979 | 2,323 | 2,791 | 17 | 20 |
| 25–29 years old | 1,745 | 2,000 | 2,352 | 15 | 18 |
| 30–34 years old | 1,223 | 1,111 | 1,218 | –9 | 10 |
| 35 years and over | 1,892 | 2,963 | 3,136 | 57 | 6 |
| **Attendance status** | | | | | |
| Full-time | 7,231 | 8,445 | 10,140 | 17 | 20 |
| Part-time | 5,536 | 6,187 | 7,121 | 12 | 15 |
| **Level** | | | | | |
| Undergraduate | 11,046 | 12,604 | 15,002 | 14 | 19 |
| Graduate | 1,452 | 1,741 | 1,946 | 20 | 12 |
| First-professional | 268 | 288 | 313 | 7 | 9 |
| Full-time-equivalent | 9,229 | 10,670 | 12,700 | 16 | 19 |
| **Earned degrees** | | | | | |
| Associate's | 435 | 561 | 611 | 29 | 9 |
| Men | 190 | 218 | 224 | 15 | 3 |
| Women | 245 | 343 | 387 | 40 | 13 |

| Characteristic | 1987–88 | 1998–99 (estimate) | 2009–10 (projected) | Percent change 1987–88 to 1998–99 | Percent change 1998–99 to 2009–10 |
|---|---|---|---|---|---|
| | | | **Higher education** | | |
| | | | (Numbers in thousands) | | |
| **Earned degrees** (continued) | | | | | |
| Bachelor's | 995 | 1,178 | 1,324 | 18 | 12 |
| Men | 477 | 517 | 547 | 8 | 6 |
| Women | 518 | 661 | 776 | 28 | 17 |
| Master's | 299 | 405 | 439 | 35 | 8 |
| Men | 145 | 172 | 175 | 18 | 2 |
| Women | 154 | 233 | 264 | 51 | 13 |
| Doctor's | 35 | 46 | 47 | 32 | 2 |
| Men | 23 | 27 | 27 | 19 | * |
| Women | 12 | 19 | 20 | 55 | 5 |
| First-professional | 71 | 80 | 82 | 13 | 3 |
| Men | 45 | 46 | 43 | 1 | –7 |
| Women | 25 | 35 | 38 | 39 | 9 |
| **Expenditures** | | | (Billions of constant 1998–99 dollars) | | |
| Current-fund expenditures | $161.6 | $221.0 | $302.6 | 37 | 37 |
| Public | 103.2 | 138.8 | 193.8 | 34 | 40 |
| Private | 58.4 | 82.1 | 108.8 | 41 | 33 |

# Technical Notes

## General Projection Methodology

Beginning with institutional data from the National Center for Education Statistics (NCES) and demographic data and projections from the Bureau of the Census, total enrollment is projected using expected enrollment rates. Exponential smoothing and multiple linear regression are the two major projection techniques used to forecast these rates. Demographic assumptions used by NCES are consistent with Bureau of the Census middle series of population projections. Elementary and secondary expenditure projections are produced using multiple linear regression.

For methodological details on the assumptions and methods used to develop these projections, and details on data sources, see ***Projections of Education Statistics to 2010***.

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(*)Between –0.5 and 0.5.

—Percentage not calculated.

[1] Population projections are from the middle series of population projections of the Bureau of the Census. Population data for 1997–98 are projected.

[2] Based on enrollment by organizational level.

[3] Excludes capital outlay and interest.

[4] Data for 1987–88 are estimated.

NOTE: Because of rounding, details may not add to totals. Percentages are based on unrounded numbers. Historical numbers may differ from numbers which appeared in editions of *Projections of Education Statistics* produced prior to the ***Projections of Education Statistics to 2010***.

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